ZyXEL GS-4024 V3.80(LL.4)C0

Release Note/Manual Supplement

Date: Oct. 06, 2008
This document describes the features in the GS-4024 product for its 3.80(LL.4)C0 release.

Support Platforms:

ZyXEL GS-4024 V3.80(LL.4)C0 supports models: Dimension GS-4024

Version:

ZyNOS version: V3.80(LL.4) | 10/06/2008 17:34:59
Bootbase version: V3.1 | 03/08/2007 18:36:32

Default Bootbase Setting:

ZyNOS Version	V3.80(LL.4) | 10/06/2008 17:34:59
Bootbase Version	V3.1 | 03/08/2007 18:36:32
Vendor Name	ZyXEL Communications Corp.
Product Model	GS-4024
ZyNOS Code Model	GS-4024
HTP Code Model	Unknown
ZyNOS ROM address	50080000
System Type	10
MAC Address	0019CB000001
Default Country Code	FF
Boot Module Debug Flag	00
RomFile Version	61
RomFile Checksum	bfbd
ZyNOS Checksum	6d31
SNMP MIB level & OID	060102030405060708091011121314151617181920
Main Feature Bits	C0
Other Feature Bits	
DB 00 00 00 00 00 00 00-00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00-00 4113 00 00 00	

Enhanced Feature

1. 802.1s MSTP
2. SNMPv3
3. enlarge syslog buffer
4. 802.3ah OAM
5. Multilevel CLI
6. SNMP trap group
7. configurable multicast VLAN
8. independent IGMP snooping and MVR setting
9. enlarge concurrent telnet session
10. IP source guard(Static binding, DHCP snooping, ARP inspection)

11. Two rate three color marking
12. IP subnet VLAN
13. RADIUS MAC login
14. RADIUS accounting
15. TACACS+ authentication
16. TACACS+ accounting
17. IGMPv3
18. IGMPv3 snooping
19. IGMP port-based
20. Loop guard
21. Daylight saving

Known Issue:

1. In some circumstances, packets may route to blocking port of the other device when use Spanning Tree Protocol for redundant purpose between two devices. Recommend using Link Aggregation instead.
2. For many to one test, packet loss 3 % on one receiving port.
3. Discard destination MAC on filter rule, but the same source MAC packet still be filtered.
4. Can't support IP port move.
5. Flow control can not go across unit.
6. Dvmrp didn't support IGMPv3 source filtering & IGMP Port-based

Bug Fix:

1. Fix the HTP test fail issue.

Limitation of Settings:

1. VLAN 1Q static entry 1k
2. Static MAC forwarding entry 256
3. MAC filtering entry 256
4. Cluster member 24
5. Management IP interface 64
6. IGMP Filtering entry 256
7. MVR entry 256
8. VRRP entry 14
9. OSPF area 4
10. DHCP Server 16
11. Syslog server entry 4
12. IP source guard entry 128
13. Subnetbased VLAN 16

Change History:

V3.80(LL.4)C0 (10/06/2008)

1. Fix the HTP test fail issue

V3.80(LL.3)C0 (09/08/2008)

1. Change vlan member setting will effect the packet transferring.
2. Fix the bug that two policy rule with the same metering setting will get error behavior.
3. Fix the SSH Dos attack issue.
4. Fix several tacaus and account issue

5. Fix the bug that ARP inspection will block the client which use Vista OS
6. Fix the bug that IE7 with silverlight can't access our device.

V3.80(LL.2)C0 (05/13/2008)

1. Fix the bug that GS-4024 don't set corresponding direct broadcast interface on unit 2
2. Fix the memory leak problem under abnormal ssh connection.
3. Packets will send back to the original port when enabling port security.
4. Fix the bug that device can't set trunking feature when enabling port security.
5. Fix the bug that DUT can't disable mac authentication via WEB.

V3.80(LL.1)C0 (11/5/2007)

1. Enable DVMRP will cause system hang-up.
2. Enable DVMRP will cause memory leak.
3. WEB for TACACS+ and MSTP can't work
4. MAC authentication will cause device unreachable after a period of time.
5. Device will not response ARP under large amount ARP traffic.
6. Device will crash under TCP SYNC attack.
7. Classifier precedence will not follow longest prefix match.
8. SNMP management can't cross routing domain
9. Set authentication uses RADIUS, after login fail about 256 times, the DUT will pop out RADIUS: identifier error, and after 556 times, the DUT will become unreachable.
10. DHCP relay doesn't work in some cases.
11. Set an unreachable RADIUS accounting server, accounting event and authentication login uses RADIUS. After a period of time, the DUT can't login and will pop out *radiusLoginSendToAuthServer*: identifier error.
12. Large amount of L3 direct broadcast traffic will reduce device performance.
13. ARP entries related to trunk ports are not flush when trunk ports link down.
14. Unauthenticated SSH attacking will occupy telnet sessions.
15. Device will crash under TCP DOS attack
16. Device will crash under log in attack.
17. Dot1x feature with RSTP feature will get error port status.
18. Fix the bug that no mac-authentication command doesn't work.
19. Fix the bug that port security feature work with mac authentication.

V3.80(LL.0)C0 (4/25/2007)

Support new features

V3.70(LL.0)C0 (9/18/2006)

Support new features

V3.60(LL.3)C0 (5/3/2006)

1. Change temperature

   MAC: 75 ~ -10, CPU: 65 ~ -10, PHY: 75 ~ -10

V3.60(LL.2)C0 (1/2/2006)

1. Restore config with IP address fail because out-of-band and inband exchange IP addresses.
2. Remove "time" and "time date" in backup configuration
3. Timesync config can't restore
4. Enable OSPF , send over 8K routing paths, system hang.
5. DUT trap VRRP packets into CPU when VRRP disable
6. Create more than 6 static routing entries, the switch will hang
7. The Vlan status does not recover to original status after change trunking group to none.
8. Create VLAN ID 000001 via CLI found VLAN ID 0 is be created
9. Enable IGMPsnooping, One port leave message effect on another received port losing multicast packets, it should not effect on another received port.

10. revise ospf interface web page
11. Can’t use Cluster Management function with Telnet or SSH client to re-command members.
12. In filtering function set Filter Destination after SMB send unknow unticast CLI will show ”sal_dma_alloc out of memory. size 9232 packet_alloc. ”
13. DUT ’s RIPv2 multicast function did not work
14. Memory leak bug on stunnel. It will run out of memory when scan https many times.
15. When fiber set to speed 1000, auto negotiation should be turn off.

V3.60(LL.1)C0 (6/27/2005)

V3.60(LL.0)C0 (3/24/2005)

First Public version

ZyXEL GS-4024 V3.80(LL.3)C0

Release Note/Manual Supplement

Date: Sep. 08, 2008
This document describes the features in the GS-4024 product for its 3.80(LL.3)C0 release.

Support Platforms:

ZyXEL GS-4024 V3.80(LL.3)C0 supports models: Dimension GS-4024

Version:

ZyNOS version: V3.80(LL.3) | 08/26/2008 16:07:39
Bootbase version: V3.1 | 03/08/2007 18:36:32

Default Bootbase Setting:

ZyNOS Version	V3.80(LL.3) | 08/26/2008 16:07:39
Bootbase Version	V3.1 | 03/08/2007 18:36:32
Vendor Name	ZyXEL Communications Corp.
Product Model	GS-4024
ZyNOS Code Model	GS-4024
HTP Code Model	Unknown
ZyNOS ROM address	50080000
System Type	10
MAC Address	0019CB000001
Default Country Code	FF
Boot Module Debug Flag	00
RomFile Version	61
RomFile Checksum	bfbd
ZyNOS Checksum	a8b1
SNMP MIB level & OID	060102030405060708091011121314151617181920
Main Feature Bits	C0
Other Feature Bits	
DB 00 00 00 00 00 00 00-00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00-00 4113 00 00 00	

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1. 802.1s MSTP
2. SNMPv3
3. enlarge syslog buffer
4. 802.3ah OAM
5. Multilevel CLI
6. SNMP trap group
7. configurable multicast VLAN
8. independent IGMP snooping and MVR setting
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10. IP source guard(Static binding, DHCP snooping, ARP inspection)

11. Two rate three color marking
12. IP subnet VLAN
13. RADIUS MAC login
14. RADIUS accounting
15. TACACS+ authentication
16. TACACS+ accounting
17. IGMPv3
18. IGMPv3 snooping
19. IGMP port-based
20. Loop guard
21. Daylight saving

Known Issue:

1. In some circumstances, packets may route to blocking port of the other device when use Spanning Tree Protocol for redundant purpose between two devices. Recommend using Link Aggregation instead.
2. For many to one test, packet loss 3 % on one receiving port.
3. Discard destination MAC on filter rule, but the same source MAC packet still be filtered.
4. Can't support IP port move.
5. Flow control can not go across unit.
6. Dvmrp didn't support IGMPv3 source filtering & IGMP Port-based

Bug Fix:

1. Change vlan member setting will effect the packet transferring.
2. Fix the bug that two policy rule with the same metering setting will get error behavior.
3. Fix the SSH Dos attack issue.
4. Fix several tacaus and account issue
5. Fix the bug that ARP inspection will block the client which use Vista OS.
6. Fix the bug that IE7 with silverlight can't access our device.

Limitation of Settings:

1. VLAN 1Q static entry 1k
2. Static MAC forwarding entry 256
3. MAC filtering entry 256
4. Cluster member 24
5. Management IP interface 64
6. IGMP Filtering entry 256
7. MVR entry 256
8. VRRP entry 14
9. OSPF area 4
10. DHCP Server 16
11. Syslog server entry 4
12. IP source guard entry 128
13. Subnetbased VLAN 16

Change History:

V3.80(LL.3)C0 (09/08/2008)

1. Change vlan member setting will effect the packet transferring.
2. Fix the bug that two policy rule with the same metering setting will get error behavior.
3. Fix the SSH Dos attack issue.

4. Fix several tacaus and account issue
5. Fix the bug that ARP inspection will block the client which use Vista OS
6. Fix the bug that IE7 with silverlight can't access our device.

V3.80(LL.2)C0 (05/13/2008)

1. Fix the bug that GS-4024 don't set corresponding direct broadcast interface on unit 2
2. Fix the memory leak problem under abnormal ssh connection.
3. Packets will send back to the original port when enabling port security.
4. Fix the bug that device can't set trunking feature when enabling port security.
5. Fix the bug that DUT can't disable mac authentication via WEB.

V3.80(LL.1)C0 (11/5/2007)

1. Enable DVMRP will cause system hang-up.
2. Enable DVMRP will cause memory leak.
3. WEB for TACACS+ and MSTP can't work
4. MAC authentication will cause device unreachable after a period of time.
5. Device will not response ARP under large amount ARP traffic.
6. Device will crash under TCP SYNC attack.
7. Classifier precedence will not follow longest prefix match.
8. SNMP management can't cross routing domain
9. Set authentication uses RADIUS, after login fail about 256 times, the DUT will pop out RADIUS: identifier error, and after 556 times, the DUT will become unreachable.
10. DHCP relay doesn't work in some cases.
11. Set an unreachable RADIUS accounting server, accounting event and authentication login uses RADIUS. After a period of time, the DUT can't login and will pop out *radiusLoginSendToAuthServer*: identifier error.
12. Large amount of L3 direct broadcast traffic will reduce device performance.
13. ARP entries related to trunk ports are not flush when trunk ports link down.
14. Unauthenticated SSH attacking will occupy telnet sessions.
15. Device will crash under TCP DOS attack
16. Device will crash under log in attack.
17. Dot1x feature with RSTP feature will get error port status.
18. Fix the bug that no mac-authentication command doesn't work.
19. Fix the bug that port security feature work with mac authentication.

V3.80(LL.0)C0 (4/25/2007)

Support new features

V3.70(LL.0)C0 (9/18/2006)

Support new features

V3.60(LL.3)C0 (5/3/2006)

1. Change temperature

   MAC: 75 ~ -10, CPU: 65 ~ -10, PHY: 75 ~ -10

V3.60(LL.2)C0 (1/2/2006)

1. Restore config with IP address fail because out-of-band and inband exchange IP addresses.
2. Remove "time" and "time date" in backup configuration
3. Timesync config can't restore
4. Enable OSPF , send over 8K routing paths, system hang.
5. DUT trap VRRP packets into CPU when VRRP disable
6. Create more than 6 static routing entries, the switch will hang
7. The Vlan status does not recover to original status after change trunking group to none.
8. Create VLAN ID 000001 via CLI found VLAN ID 0 is be created

9. Enable IGMPsnooping, One port leave message effect on another received port losing multicast packets, it should not effect on another received port.
10. revise ospf interface web page
11. Can’t use Cluster Management function with Telnet or SSH client to re-command members.
12. In filtering function set Filter Destination after SMB send unknow unticast CLI will show ”sal_dma_alloc out of memory. size 9232 packet_alloc. ”
13. DUT ’s RIPv2 multicast function did not work
14. Memory leak bug on stunnel. It will run out of memory when scan https many times.
15. When fiber set to speed 1000, auto negotiation should be turn off.

V3.60(LL.1)C0 (6/27/2005)

V3.60(LL.0)C0 (3/24/2005)

First Public version

ZyXEL GS-4024 V3.80(LL.2)C0

Release Note/Manual Supplement

Date: May. 13, 2008
This document describes the features in the GS-4024 product for its 3.80(LL.2)C0 release.

Support Platforms:

ZyXEL GS-4024 V3.80(LL.2)C0 supports models: Dimension GS-4024

Version:

ZyNOS version: V3.80(LL.2) | 05/05/2008 17:05:19
Bootbase version: V3.1 | 03/08/2007 18:36:32

Default Bootbase Setting:

ZyNOS Version	V3.80(LL.2) | 05/05/2008 17:05:19
Bootbase Version	V3.1 | 03/08/2007 18:36:32
Vendor Name	ZyXEL Communications Corp.
Product Model	GS-4024
ZyNOS Code Model	GS-4024
HTP Code Model	Unknown
ZyNOS ROM address	50080000
System Type	10
MAC Address	0019CB000001
Default Country Code	FF
Boot Module Debug Flag	00
RomFile Version	61
RomFile Checksum	bfbd
ZyNOS Checksum	f50f
SNMP MIB level & OID	060102030405060708091011121314151617181920
Main Feature Bits	C0
Other Feature Bits	
DB 00 00 00 00 00 00 00-00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00-00 4113 00 00 00	

Enhanced Feature

1. 802.1s MSTP
2. SNMPv3
3. enlarge syslog buffer
4. 802.3ah OAM
5. Multilevel CLI
6. SNMP trap group
7. configurable multicast VLAN
8. independent IGMP snooping and MVR setting
9. enlarge concurrent telnet session
10. IP source guard(Static binding, DHCP snooping, ARP inspection)

11. Two rate three color marking
12. IP subnet VLAN
13. RADIUS MAC login
14. RADIUS accounting
15. TACACS+ authentication
16. TACACS+ accounting
17. IGMPv3
18. IGMPv3 snooping
19. IGMP port-based
20. Loop guard
21. Daylight saving

Known Issue:

1. In some circumstances, packets may route to blocking port of the other device when use Spanning Tree Protocol for redundant purpose between two devices. Recommend using Link Aggregation instead.
2. For many to one test, packet loss 3 % on one receiving port.
3. Discard destination MAC on filter rule, but the same source MAC packet still be filtered.
4. Can't support IP port move.
5. Flow control can not go across unit.
6. Dvmrp didn't support IGMPv3 source filtering & IGMP Port-based

Bug Fix:

1. Fix the bug that GS-4024 don't set corresponding direct broadcast interface on unit 2
2. Fix the memory leak problem under abnormal ssh connection.
3. Packets will send back to the original port when enabling port security.
4. Fix the bug that device can't set trunking feature when enabling port security.
5. Fix the bug that DUT can't disable mac authentication via WEB.

Limitation of Settings:

1. VLAN 1Q static entry 1k
2. Static MAC forwarding entry 256
3. MAC filtering entry 256
4. Cluster member 24
5. Management IP interface 64
6. IGMP Filtering entry 256
7. MVR entry 256
8. VRRP entry 14
9. OSPF area 4
10. DHCP Server 16
11. Syslog server entry 4
12. IP source guard entry 128
13. Subnetbased VLAN 16

Change History:

V3.80(LL.2)C0 (05/13/2008)

1. Fix the bug that GS-4024 don't set corresponding direct broadcast interface on unit 2
2. Fix the memory leak problem under abnormal ssh connection.
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V3.80(LL.1)C0 (11/5/2007)

1. Enable DVMRP will cause system hang-up.
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4. MAC authentication will cause device unreachable after a period of time.
5. Device will not response ARP under large amount ARP traffic.
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7. Classifier precedence will not follow longest prefix match.
8. SNMP management can't cross routing domain
9. Set authentication uses RADIUS, after login fail about 256 times, the DUT will pop out RADIUS: identifier error, and after 556 times, the DUT will become unreachable.
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17. Dot1x feature with RSTP feature will get error port status.
18. Fix the bug that no mac-authentication command doesn’t work.
19. Fix the bug that port security feature work with mac authentication.

V3.80(LL.0)C0 (4/25/2007)

Support new features

V3.70(LL.0)C0 (9/18/2006)

Support new features

V3.60(LL.3)C0 (5/3/2006)

1. Change temperature

   MAC: 75 ~ -10, CPU: 65 ~ -10, PHY: 75 ~ -10

V3.60(LL.2)C0 (1/2/2006)

1. Restore config with IP address fail because out-of-band and inband exchange IP addresses.
2. Remove “time” and “time date” in backup configuration
3. Timesync config can’t restore
4. Enable OSPF , send over 8K routing paths, system hang.
5. DUT trap VRRP packets into CPU when VRRP disable
6. Create more than 6 static routing entries, the switch will hang
7. The Vlan status does not recover to original status after change trunking group to none.
8. Create VLAN ID 000001 via CLI found VLAN ID 0 is be created
9. Enable IGMPsnooping, One port leave message effect on another received port losing multicast packets, it should not effect on another received port.
10. revise ospf interface web page
11. Can’t use Cluster Management function with Telnet or SSH client to re-command members.
12. In filtering function set Filter Destination after SMB send unknow unticast CLI will show ”sal_dma_alloc out of memory. size 9232 packet_alloc. ”
13. DUT ’s RIPv2 multicast function did not work
14. Memory leak bug on stunnel. It will run out of memory when scan https many times.
15. When fiber set to speed 1000, auto negotiation should be turn off.

V3.60(LL.1)C0 (6/27/2005)

V3.60(LL.0)C0 (3/24/2005)

First Public version

ZyXEL GS-4024 V3.80(LL.1)C0

Release Note/Manual Supplement

Date: Nov. 05, 2007
This document describes the features in the GS-4024 product for its 3.80(LL.1)C0 release.

Support Platforms:

ZyXEL GS-4024 V3.80(LL.1)C0 supports models: Dimension GS-4024

Version:

ZyNOS version: V3.80(LL.1) | 11/05/2007 19:09:05
Bootbase version: V3.1 | 03/08/2007 18:36:32

Default Bootbase Setting:

ZyNOS Version	V3.80(LL.1) | 11/05/2007 19:09:05
Bootbase Version	V3.1 | 03/08/2007 18:36:32
Vendor Name	ZyXEL Communications Corp.
Product Model	GS-4024
ZyNOS Code Model	GS-4024
HTP Code Model	Unknown
ZyNOS ROM address	50080000
System Type	10
MAC Address	0019CB000001
Default Country Code	FF
Boot Module Debug Flag	00
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1. VLAN 1Q static entry 1k
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4. Cluster member 24
5. Management IP interface 64

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V3.80(LL.1)C0 (11/5/2007)

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V3.80(LL.0)C0 (4/25/2007)

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V3.70(LL.0)C0 (9/18/2006)

Support new features

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10. revise ospf interface web page
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V3.60(LL.1)C0 (6/27/2005)

V3.60(LL.0)C0 (3/24/2005)

First Public version

ZyXEL GS-4024 V3.80(LL.0)C0

Release Note/Manual Supplement

Date: Apr. 25, 2007
This document describes the features in the GS-4024 product for its 3.80(LL.0)C0 release.

Support Platforms:

ZyXEL GS-4024 V3.80(LL.0)C0 supports models: Dimension GS-4024

Version:

ZyNOS version: V3.80(LL.0) | 04/25/2007 20:29:44
Bootbase version: V3.1 | 03/08/2007 18:36:32

Default Bootbase Setting:

ZyNOS Version	V3.80(LL.0) | 04/25/2007 20:29:44
Bootbase Version	V3.1 | 03/08/2007 18:36:32
Vendor Name	ZyXEL Communications Corp.
Product Model	GS-4024
ZyNOS Code Model	GS-4024
HTP Code Model	Unknown
ZyNOS ROM address	50080000
System Type	10
MAC Address	0019CB000001
Default Country Code	FF
Boot Module Debug Flag	00
RomFile Version	61
RomFile Checksum	bfbd
ZyNOS Checksum	e026
SNMP MIB level & OID	060102030405060708091011121314151617181920
Main Feature Bits	C0
Other Feature Bits	
DB 00 00 00 00 00 00 00-00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00-00 4113 00 00 00	

Enhanced Feature

1. 802.1s MSTP
2. SNMPv3
3. enlarge syslog buffer
4. 802.3ah OAM
5. Multilevel CLI
6. SNMP trap group
7. configurable multicast VLAN
8. independent IGMP snooping and MVR setting
9. enlarge concurrent telnet session
10. IP source guard(Static binding, DHCP snooping, ARP inspection)

11. Two rate three color marking
12. IP subnet VLAN
13. RADIUS MAC login
14. RADIUS accounting
15. TACACS+ authentication
16. TACACS+ accounting
17. IGMPv3
18. IGMPv3 snooping
19. IGMP port-based
20. Loop guard
21. Daylight saving

Known Issue:

1. In some circumstances, packets may route to blocking port of the other device when use Spanning Tree Protocol for redundant purpose between two devices. Recommend using Link Aggregation instead.
2. For many to one test, packet loss 3 % on one receiving port.
3. Discard destination MAC on filter rule, but the same source MAC packet still be filtered.
4. Can't support IP port move.
5. Flow control can not go across unit.
6. Dvmrp didn't support IGMPv3 source filtering & IGMP Port-based

Bug Fix:

1. After running DVMRP and stopped for about 30 minutes, the traffic can't come back again.
2. The dot1dTpFdbPort will return incorrect port number when the MAC is static assign.
3. When polling with net-snmp, it stopped with OID not increasing.
4. Can not restore configuration with space in classifier name.
5. The CLI command for port-based VLAN *egress port* cannot remove CPU port.
6. Can't show ARP table through SNMP when using default-management out-of-band
7. Support SFP information display command "sys sw sfp disp".

Limitation of Settings:

1. VLAN 1Q static entry 1k
2. Static MAC forwarding entry 256
3. MAC filtering entry 256
4. Cluster member 24
5. Management IP interface 64
6. IGMP Filtering entry 256
7. MVR entry 256
8. VRRP entry 14
9. OSPF area 4
10. DHCP Server 16
11. Syslog server entry 4
12. IP source guard entry 128
13. Subnetbased VLAN 16

Change History:

V3.80(LL.0)C0 (4/25/2007)

Support new features

V3.70(LL.0)C0 (9/18/2006)

Support new features

V3.60(LL.3)C0 (5/3/2006)

1. Change temperature
   MAC: 75 ~ -10, CPU: 65 ~ -10, PHY: 75 ~ -10

V3.60(LL.2)C0 (1/2/2006)

1. Restore config with IP address fail because out-of-band and inband exchange IP addresses.
2. Remove "time" and "time date" in backup configuration
3. Timesync config can't restore
4. Enable OSPF , send over 8K routing paths, system hang.
5. DUT trap VRRP packets into CPU when VRRP disable
6. Create more than 6 static routing entries, the switch will hang
7. The Vlan status does not recover to original status after change trunking group to none.
8. Create VLAN ID 000001 via CLI found VLAN ID 0 is be created
9. Enable IGMPsnooping, One port leave message effect on another received port losing multicast packets, it should not effect on another received port.
10. revise ospf interface web page
11. Can't use Cluster Management function with Telnet or SSH client to re-command members.
12. In filtering function set Filter Destination after SMB send unknow unticast CLI will show "sal_dma_alloc out of memory. size 9232 packet_alloc. "
13. DUT 's RIPv2 multicast function did not work
14. Memory leak bug on stunnel. It will run out of memory when scan https many times.
15. When fiber set to speed 1000, auto negotiation should be turn off.

V3.60(LL.1)C0 (6/27/2005)

V3.60(LL.0)C0 (3/24/2005)

First Public version

ZyXEL GS-4024 V3.70(LL.0)C0

Release Note/Manual Supplement

Date: Sep. 28, 2006
This document describes the features in the GS-4024 product for its 3.70(LL.0)C0 release.

Support Platforms:

ZyXEL GS-4024 V3.70(LL.0)C0 supports models: Dimension GS-4024

Version:

ZyNOS version: V3.70(LL.0) | 09/28/2006 16:01:48
bootbase version: V3.0 | 04/06/2005 18:05:30

Default Bootbase Setting:

ZyNOS Version	V3.70(LL.0) | 09/28/2006 16:01:48
Bootbase Version	V3.0 | 04/06/2005 18:05:30
Vendor Name	ZyXEL Communications Corp.
Product Model	GS-4024
ZyNOS Code Model	GS-4024
HTP Code Model	Unknown
ZyNOS ROM address	50080000
System Type	10
MAC Address	001349000001
Default Country Code	FF
Boot Module Debug Flag	00
RomFile Version	5A
RomFile Checksum	67ef
ZyNOS Checksum	d824
SNMP MIB level & OID	060102030405060708091011121314151617181920
Main Feature Bits	C0
Other Feature Bits	
DB 00 00 00 00 00 00 00-00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00-00 4113 00 00 00	

Enhanced Feature

1. Syslog
2. Multiple RSTP
3. Multicast routing on MVR
4. RADIUS enhancement(for 802.1X enhancenment and multiple radius servers)
5. Administration user management
6. IGMP enhancement
7. Web enhancement (Select all, Clone)

8. Reserve multicast group support
9. OSPF enhancement (passive interface and interface priority)

Known Issue:

1. In some circumstances, packets may route to blocking port of the other device when use Spanning Tree Protocol for redundant purpose between two devices. Recommend using Link Aggregation instead.
2. For many to one test , packet loss 3 % on one receiving port.
3. Discard destination MAC on filter rule , but the same source MAC packet still be filtered.
4. Can't support ip port move.
5. Flow control can not go across unit.

Bug Fix:

1. none

Limitation of Settings:

1. VLAN 1Q static entry 256
2. Static MAC forwarding entry 256
3. MAC filtering entry 256
4. Cluster member 24
5. IP routing domain 64
6. IGMP Filtering entry 256
7. MVR entry 256
8. Vrrp entry 14
9. OSPF area 4
10. DHCP Server 16
11. Syslog server entry 4

Change History:

V3.70(LL.0)C0 (9/18/2006)

Support new features

V3.60(LL.3)C0 (5/3/2006)

1. Change temperature
   MAC: 75 ~ -10, CPU: 65 ~ -10, PHY: 75 ~ -10

V3.60(LL.2)C0 (1/2/2006)

1. Restore config with IP address fail because out-of-band and inband exchange IP addresses.
2. Remove "time" and "time date" in backup configuration
3. Timesync config can't restore
4. Enable OSPF , send over 8K routing paths, system hang.
5. DUT trap VRRP packets into CPU when VRRP disable
6. Create more than 6 static routing entries, the switch will hang
7. The Vlan status does not recover to original status after change trunking group to none.
8. Create VLAN ID 000001 via CLI found VLAN ID 0 is be created
9. Enable IGMPsnooping, One port leave message effect on another received port losing multicast packets, it should not effect on another received port.
10. revise ospf interface web page
11. Can't use Cluster Management function with Telnet or SSH client to re-command members.
12. In filtering function set Filter Destination after SMB send unknow unticast CLI will show "sal_dma_alloc out of memory. size 9232 packet_alloc. "
13. DUT 's RIPv2 multicast function did not work
14. Memory leak bug on stunnel. It will run out of memory when scan https many times.
15. When fiber set to speed 1000, auto negotiation should be turn off.

V3.60(LL.1)C0 (6/27/2005)
V3.60(LL.0)C0 (3/24/2005)
First Public version

ZyXEL GS-4024 V3.60(LL.3)C0

Release Note/Manual Supplement

Date: May. 3, 2006

This document describes the features in the GS-4024 product for its 3.60(LL.3)C0 release.

Support Platforms:

ZyXEL GS-4024 V3.60(LL.3)C0 supports models: Dimension GS-4024

Version:

ZyNOS version: V3.60(LL.3) | 05/03/2006 17:54:22
bootbase version: V3.0 | 04/06/2005 18:05:30

Default Bootbase Setting:

ZyNOS Version	V3.60(LL.3) | 05/03/2006 17:54:22
Bootbase Version	V3.0 | 04/06/2005 18:05:30
Vendor Name	ZyXEL Communications Corp.
Product Model	GS-4024
ZyNOS Code Model	GS-4024
HTP Code Model	Unknown
ZyNOS ROM address	50080000
System Type	10
MAC Address	001349000001
Default Country Code	FF
Boot Module Debug Flag	00
RomFile Version	5A
RomFile Checksum	67ef
ZyNOS Checksum	864d
SNMP MIB level & OID	060102030405060708091011121314151617181920
Main Feature Bits	C0
Other Feature Bits	
DB 00 00 00 00 00 00 00-00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00-00 4113 00 00 00	

Enhanced Feature

1. Change temperature
   MAC: 75 ~ -10, CPU: 65 ~ -10, PHY: 75 ~ -10

Known Issue:

1. In some circumstances, packets may route to blocking port of the other device when use Spanning Tree Protocol for redundant purpose between two devices. Recommend using Link Aggregation instead.
2. For many to one test , packet loss 3 % on one receiving port.
3. Discard destination MAC on filter rule , but the same source MAC packet still be filtered.
4. Can't support ip port move.
5. Flow control can not go across unit.

Limitation of Settings:

1. VLAN 1Q static entry 256
2. Static MAC forwarding entry 256
3. MAC filtering entry 256
4. Cluster member 24
5. IP routing domain 64
6. IGMP Filtering entry 256
7. MVR entry 256
8. Vrrp entry 14
9. OSPF area 4

Change History:

V3.60(LL.3)C0 (5/3/2006)

1. Change temperature
   MAC: 75 ~ -10, CPU: 65 ~ -10, PHY: 75 ~ -10

V3.60(LL.2)C0 (1/2/2006)

1. Restore config with IP address fail because out-of-band and inband exchange IP addresses.
2. Remove "time" and "time date" in backup configuration
3. Timesync config can't restore
4. Enable OSPF , send over 8K routing paths, system hang.
5. DUT trap VRRP packets into CPU when VRRP disable
6. Create more than 6 static routing entries, the switch will hang
7. The Vlan status does not recover to original status after change trunking group to none.
8. Create VLAN ID 000001 via CLI found VLAN ID 0 is be created
9. Enable IGMPsnooping, One port leave message effect on another received port losing multicast packets, it should not effect on another received port.
10. revise ospf interface web page
11. Can't use Cluster Management function with Telnet or SSH client to re-command members.
12. In filtering function set Filter Destination after SMB send unknow unticast CLI will show "sal_dma_alloc out of memory. size 9232 packet_alloc. "
13. DUT 's RIPv2 multicast function did not work
14. Memory leak bug on stunnel. It will run out of memory when scan https many times.
15. When fiber set to speed 1000, auto negotiation should be turn off.

V3.60(LL.1)C0 (6/27/2005)

V3.60(LL.0)C0 (3/24/2005)

First Public version

ZyXEL GS-4024 V3.60(LL.2)C0

Release Note/Manual Supplement

Date: Jan. 2, 2006

This document describes the features in the GS-4024 product for its 3.60(LL.2)C0 release.

Support Platforms:

ZyXEL GS-4024 V3.60(LL.2)C0 supports models: Dimension GS-4024

Version:

ZyNOS version: V3.60(LL.2) | 01/02/2006
bootbase version: V3.0 | 04/06/2005 18:05:30

Default Bootbase Setting:

ZyNOS Version	V3.60(LL.2) | 01/02/2006 10:34:36
Bootbase Version	V3.0 | 04/06/2005 18:05:30
Vendor Name	ZyXEL Communications Corp.
Product Model	GS-4024
ZyNOS Code Model	GS-4024
HTP Code Model	Unknown
ZyNOS ROM address	50080000
System Type	10
MAC Address	001349000001
Default Country Code	FF
Boot Module Debug Flag	00
RomFile Version	5A
RomFile Checksum	67ef
ZyNOS Checksum	7711
SNMP MIB level & OID	060102030405060708091011121314151617181920
Main Feature Bits	C0
Other Feature Bits	
DB 00 00 00 00 00 00 00-00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00-00 4113 00 00 00	

Enhanced Features:

1. Multicast
2. MVR
3. IGMP Filtering
4. CIR & PIR
5. Mac Freeze
6. Intrusion Lock
7. MIB

Bug Fix:

1. Restore config with IP address fail because out-of-band and inband exchange IP addresses.
2. Remove “time” and “time date” in backup configuration
3. Timesync config can’t restore
4. Enable OSPF , send over 8K routing paths, system hang.
5. DUT trap VRRP packets into CPU when VRRP disable
6. Create more than 6 static routing entries, the switch will hang
7. The Vlan status does not recover to original status after change trunking group to none.
8. Create VLAN ID 000001 via CLI found VLAN ID 0 is be created
9. Enable IGMPsnooping, One port leave message effect on another received port losing multicast packets, it should not effect on another received port.
10. revise ospf interface web page
11. Can’t use Cluster Management function with Telnet or SSH client to re-command members.
12. In filtering function set Filter Destination after SMB send unknow unicast CLI will show ”sal_dma_alloc out of memory. size 9232 packet_alloc. ”
13. DUT ’s RIPv2 multicast function did not work
14. Memory leak bug on stunnel. It will run out of memory when scan https many times.
15. When fiber set to speed 1000, auto negotiation should be turn off.

Known Issue:

6. In some circumstances, packets may route to blocking port of the other device when use Spanning Tree Protocol for redundant purpose between two devices. Recommend using Link Aggregation instead.
7. For many to one test , packet loss 3 % on one receiving port.
8. Discard destination MAC on filter rule , but the same source MAC packet still be filtered.
9. Can’t support ip port move.
10. Flow control can not go across unit.

Limitation of Settings:

2. VLAN 1Q static entry 256
3. Static MAC forwarding entry 256
4. MAC filtering entry 256
5. Cluster member 24
6. IP routing domain 64
7. IGMP Filtering entry 256
8. MVR entry 256
9. Vrrp entry 14
10. OSPF area 4

Change History:

1. Restore config with IP address fail because out-of-band and inband exchange IP addresses.

2. Remove “time” and “time date” in backup configuration

16. Timesync config can’t restore
17. Enable OSPF , send over 8K routing paths, system hang.
18. DUT trap VRRP packets into CPU when VRRP disable
19. Create more than 6 static routing entries, the switch will hang
20. The Vlan status does not recover to original status after change trunking group to none.
21. Create VLAN ID 000001 via CLI found VLAN ID 0 is be created
22. Enable IGMPsnooping, One port leave message effect on another received port losing multicast packets, it should not effect on another received port.

23. revise ospf interface web page
24. Can’t use Cluster Management function with Telnet or SSH client to re-command members.
25. In filtering function set Filter Destination after SMB send unknow unticast CLI will show ”sal_dma_alloc out of memory. size 9232 packet_alloc. ”
26. DUT ’s RIPv2 multicast function did not work
27. Memory leak bug on stunnel. It will run out of memory when scan https many times.
28. When fiber set to speed 1000, auto negotiation should be turn off.

ZyXEL GS-4024 V3.60(LL.1)C0

Release Note/Manual Supplement

Date: June 27, 2005
This document describes the features in the GS-4024 product for its 3.60(LL.1) release.

Support Platforms:

ZyXEL GS-4024 V3.60(LL.1) supports models: Dimension GS-4024

Version:

ZyNOS version: V3.60(LL.1) | 06/24/2005
bootbase version: V3.0 | 04/06/2005 18:05:30

Default Bootbase Setting:

ZyNOS Version	V3.60(LL.1) | 06/24/2005
Bootbase Version	V3.0 | 04/06/2005 18:05:30
Vendor Name	ZyXEL Communications Corp.
Product Model	GS-4024
ZyNOS Code Model	GS-4024
HTP Code Model	Unknown
ZyNOS ROM address	50080000
System Type	10
MAC Address	001349000001
Default Country Code	FF
Boot Module Debug Flag	00
RomFile Version	DF
RomFile Checksum	7bc3
ZyNOS Checksum	f777
SNMP MIB level & OID	060102030405060708091011121314151617181920
Main Feature Bits	C0
Other Feature Bits	
DB 00 00 00 00 00 00 00-00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00-00 4113 00 00 00	

Known Issue:

1. When restore configuration, the default VLAN and the default IP address will be implicitly created.
2. In some circumstances, packets may route to blocking port of the other device when use Spanning Tree Protocol for redundant purpose between two devices. Recommend using Link Aggregation instead.

ZyXEL GS-4024 V3.60(LL.0)C0

Release Note/Manual Supplement

Date: Mar 24, 2005

This document describes the features in the GS-4024 product for its 3.60(LL.0) release.

Support Platforms:

ZyXEL GS-4024 V3.60(LL.0) supports models: Dimension GS-4024

Version:

ZyNOS version: V3.60(LL.0) | 03/24/2005 13:49:28
bootbase version: V2.0 | 01/18/2005 00:04:33

Default Bootbase Setting:

ZyNOS Version	V3.60(LL.0) | 03/24/2005 13:49:28
Bootbase Version	V2.0 | 01/18/2005 00:04:33
Vendor Name	ZyXEL Communications Corp.
Product Model	GS-4024
ZyNOS Code Model	GS-4024
HTP Code Model	Unknown
ZyNOS ROM address	50080000
System Type	10
MAC Address	00A0C5012345
Default Country Code	FF
Boot Module Debug Flag	00
RomFile Version	F8
RomFile Checksum	1236
ZyNOS Checksum	147c
SNMP MIB level & OID	060102030405060708091011121314151617181920
Main Feature Bits	C0
Other Feature Bits	
DB 00 00 00 00 00 00 00-00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00-00 4113 00 00 00	

Features:

Features:
1. 24 ports Auto MDI/MDI-X 100/1000Mbps compliant with IEEE802.3u/x/ad
2. 4 ports Mini GBIC 1000Mbps compliant with IEEE802.3x/ab
3. 16K layer2 MAC addresses table
4. 8K IP address table
5. Support 1MB on-chip packet buffer.
6. 802.1D transparent bridging
7. Port-based VLAN
8. IEEE 802.1Q tag-based VLAN

9. IGMP snooping
10. MAC filtering
11. Management through console, telnet, SNMP or web management
12. Firmware upgrade by FTP
13. Configuration saving and retrieving
14. Overheat detection
15. LED indications for link status
16. External power backup for internal power module failure
17. 9K jumbo frame
18. Filtering/Mirroring by L2/L3/L4 rules
19. Bandwidth control by L2/L3/L4 rules
20. Egress traffic shaping per port
21. Private VLAN for port isolation
22. SSH v1 and v2
23. SSL

Known Issue:

1. When restore configuration, the default VLAN and the default IP address will be implicitly created.
2. In some circumstances, packets may route to blocking port of the other device when use Spanning Tree Protocol for redundant purpose between two devices. Recommend using Link Aggregation instead.

Change History:

V3.60(LL.0)C0 (03/24/2005) is First Public version

Firmware Upgrade:

The GS-4024 uses FTP to upgrade firmware in run-time through its built-in FTP server. You can use any FTP client (for example, ftp.exe in Windows) to upgrade GS-4024. The upgrade procedure is as follows:

Upgrade GS-4024 FW:

```
C:\> ftp <GS-4024 IP address>
User : admin
Password: 1234
230 Logged in
ftp> put 360LL0C0.bin ras
ftp> bye
```

Where

- User name : the management user name, admin by default
- Password : the management password, 1234 by default
- 360LL0C0.bin : the name of firmware file you want to upgrade
- ras : the internal firmware name in GS-4024

Configuration Upgrade:

The GS-4024 uses FTP to upgrade firmware in run-time through its built-in FTP server. You can use any FTP client (for example, ftp.exe in Windows) to upgrade GS-4024. The upgrade procedure is as follows:

Upgrade GS-4024 FW:

C:\> ftp <GS-4024 IP address>
User : admin
Password: 1234
230 Logged in
ftp> put 360LL0C0.rom rom-0
ftp> bye

Where

- User name : the management user name,admin by default
- Password : the management password, 1234 by default
- 360LL0C0.rom : the name of configuration file you want to upgrade
- rom-0 : the internal configuration name in GS-4024